

**Re: Dissolved Metals data for Cement Creek/Animas**

**Sabrina Forrest** to: Chuck Baker, Barry Hayhurst

07/07/2011 01:04 PM

From: Sabrina Forrest/R8/USEPA/US

To:

Cc: Daniel Heffernan/R8/USEPA/US@EPA, Joni Sandoval/R8/USEPA/US@EPA, "Kent Alexander"  
<Kent\_Alexander@urscorp.com>, megan\_Adamczyk@URSCorp.com, "Rebecca Laramie"  
<rebecca\_laramie@urscorp.com>

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Barry, Thanks very much for working so hard to get this figured out for us. I spoke with CSC and we should have their more detailed review comments later this week and will need to be available for a call with CSC early next week. Their comments likely will mean another revision to the Quickscore.

Chuck, Thank you for assisting as well. I did not forget what the FSP called for; however the data forms are unclear and need to obviously show that we are looking at dissolved metals data. Since the forms are unclear, and it has created questions from our QA reviewers who regularly look at all types of data, we must assume that it would also create issues for others at EPA involved in the HRS package preparation as well as potential commenters to the HRS package. I need START to look into how to get those data forms to clearly show that the surface water data are not Total Recoverable, but are in fact dissolved metals data. A record of communication between START and ESAT may be one possible solution. It should call out that the FSP called for field filtering and acidification, that ESAT received filtered and preserved samples, and that all the aqueous samples' IDs and cross referenced lab IDs and their results, although they show TREC are in fact dissolved metals results. CSC and I also noticed that ESAT did not have lab log-in forms, nor references to courier or tracking forms; therefore sample integrity and authentication could not be verified. This may also be an issue for the QA reviewers; they are asking their chemist about its impact on an HRS package too. I may also need better documentation around these issues too.

Please call me if you have any questions. I am telecommuting today and may be reached via cell.

Sincerely,

Sabrina Forrest

Site Assessment Manager

U.S. Environmental Protection Agency

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-----Chuck\_Baker@URSCorp.com wrote: -----

To: Sabrina Forrest/R8/USEPA/US@EPA

From: Chuck\_Baker@URSCorp.com

Date: 07/07/2011 10:07AM

Cc: Daniel Heffernan/R8/USEPA/US@EPA, Kent\_Alexander@urscorp.com, megan\_Adamczyk@URSCorp.com, rebecca\_laramie@urscorp.com, Joni Sandoval/R8/USEPA/US@EPA  
Subject: Re: Dissolved Metals data for Cement Creek/Animas  
(See attached file: 20110707085513.pdf)

Hi Sabrina -

Per the approved sampling plan all of the water samples collected were for dissolved metals. (see tables attached), total metals were only collected on the mine water source samples. I am having Berry verify the data, but I think you have recieved all the data, you just forgot that all metals samples collected from the streams were dissolved metals only.

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Sabrina Forrest <Forrest.Sabrina@epamail.epa.gov>

07/06/2011 03:45 PM

To Barry\_Hayhurst@URSCorp.com

cc chuck\_baker@urscorp.com, Daniel Heffernan <Heffernan.Daniel@epamail.epa.gov>, Joni Sandoval <Sandoval.Joni@epamail.epa.gov>, Kent\_Alexander@urscorp.com, megan\_Adamczyk@URSCorp.com, rebecca\_laramie@urscorp.com

Subject Re: Dissolved Metals data for Cement Creek/Animas

Those documents were sent by Megan. Unfortunately, most of the dissolved metals sample locations were not included. Take a closer look at DG216, pages 1-3, which list all sample locations supposedly being analyzed for both total and dissolved. The supporting data forms are not in the subsequent pages.

Sincerely,  
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Cc: chuck\_baker@urscorp.com, Daniel Heffernan/R8/USEPA/US@EPA,  
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rebecca\_laramie@urscorp.com, Joni Sandoval/R8/USEPA/US@EPA  
Date: 07/06/2011 03:41 PM  
Subject: Re: Dissolved Metals data for Cement Creek/Animas

I was able to locate the validated data report and I have forwarded it to Sabrina.

Somehow this document was not included in the draft ARR.

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Subject  
Dissolved Metals data for Cement Creek/Animas

All, Katharine Lima with CSC is helping me with technical support. She identified the lack of data forms and validated data for the majority of the dissolved metals results from surface water sampling information Megan sent me on CD, which I forwarded to CSC. Barry is trying to help me out, but I want to be sure that START can find and forward to me ASAP all the dissolved metals data for ALL aqueous samples collected. Also, please confirm that they were validated and forward those reports. I apologize if I have this somewhere, but I cannot locate it in what Megan sent me.

(See attached file: validation DG214.pdf)(See attached file: validation DG216.pdf)

Sincerely,  
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